

Figure 6. The effect of the number of iterations (n) on the accuracy of the proposed algorithm. The results are shown for different values of α and β . The x-axis represents the number of iterations (n), ranging from 0 to 100. The y-axis represents the error, ranging from 0 to 1. The legend indicates the following parameter combinations:

- $\alpha = 0.5, \beta = 0.5$ (Blue line)
- $\alpha = 0.7, \beta = 0.3$ (Orange line)
- $\alpha = 0.9, \beta = 0.1$ (Green line)
- $\alpha = 0.1, \beta = 0.9$ (Red line)

The graph shows that the error generally decreases as the number of iterations increases, indicating convergence. The rate of convergence varies depending on the chosen values of α and β .

[illegible][illegible]

Figure 6. The effect of the number of iterations (n) on the accuracy of the proposed algorithm. The results are shown for different values of α and β . The x-axis represents the number of iterations (n), ranging from 0 to 100. The y-axis represents the error, ranging from 0 to 1. The legend indicates the following parameter combinations:

- $\alpha = 0.5, \beta = 0.5$ (Blue line)
- $\alpha = 0.7, \beta = 0.3$ (Orange line)
- $\alpha = 0.9, \beta = 0.1$ (Green line)

The figure shows that the error decreases as the number of iterations increases, and the rate of convergence is higher for larger values of α and smaller values of β .

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And I hereby appoint: **William L. Botjer; Reg. No. 27,990; PO Box 478, Center Moriches NY 11934** my attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Please address all communications, and direct all telephone calls, regarding this application to: **William L. Botjer; Reg. No. 27,990; PO Box 478, Center Moriches NY 11934, (212) 737-5728 or (631) 874-4826.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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